



(19)

(11) Publication number:

08269937

Generated Document.



## PATENT ABSTRACTS OF JAPAN

(21) Application number: 07101700

(51) Intl. Cl. : E02D 3/10 E02D 3/00 E02D 3/02

(22) Application date: 03.04.95

(30) Priority:

(43) Date of application publication: 15.10.96

(84) Designated contracting states:

(71) Applicant: TAISEI CORP

(72) Inventor: KODERA HIDENORI  
WADA KENJI

(74) Representative:

**(54) IMPROVEMENT  
METHOD FOR  
SUBMARINE SOFT  
GROUND**

(57) Abstract:

**PURPOSE:** To make a sand mat thin to reduce the amount of sand use by scattering sands on sheet materials to form a sand mat, and driving vertical drains so that they pass through the sand mat and the sheet materials, after the sheet materials obtained by laminating nets and horizontal drains are laid on the sea bottom, the ground of which is schedule to be improved.

**CONSTITUTION:** Anchors 30 are driven in specified intervals so as to reach a bearing stratum 10 in a sea area where a weak stratum 20 is deposited on the marine bearing stratum 10. Then a plurality of sheet materials 50 formed by laminating nets 51 and horizontal drains in a two-layer manner, are laid in rows on the weak stratum 20, and the total surface of the weak stratum 20 is covered with the sheet materials 50. Further, sands are scattered on the sheet materials 50 to form a sand mat 60. Then, casings 431, in each of which a vertical drain 70 is inserted, are lowered from a drain-driving ship 43 in order for the casings to pass through the sand mat

